AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph on page 13, line 21, as follows:

A basic operation of the QAM demodulator 12 will be first described. The QAM-modulated signal inputted through the input terminal 120 is first inputted to the clock recovery and sampling circuit 121. The clock recovery and sampling circuit 121 reproduces a clock signal synchronized in phase with a modulation clock of the received QAM-modulated signal at a predetermined baud rate, that is, reproduces the clock signal with which the QAM-modulated signal can be sampled at coding points of the QAM constellation. In addition, the clock recovery and sampling circuit 121 ~~12~~ samples the inputted QAM-modulated signal based on the reproduced clock signal, and outputs the sampled QAM-modulated signal to the carrier recovery and waveform equalization circuit 123 through the roll-off filter 122 for performing a band limitation at predetermined roll-off coefficients. The carrier recovery and waveform equalization circuit 123 reproduces a carrier wave synchronized in phase with a carrier wave of the inputted QAM-modulated signal using a constellation according to a predetermined modulation system. The carrier recovery and waveform equalization circuit 123 removes a phase deviation and a frequency deviation of the inputted QAM-modulated signal based on the reproduced carrier wave, and removes a reflection component contained in the inputted QAM-modulated signal. Then, the carrier recovery and waveform equalization circuit 123 outputs an output signal to the error correction circuit 124. The error correction circuit 124 decodes an error correction code encoded on a transmission side for the output signal from the carrier recovery and waveform equalization circuit 123 inputted to the error correction circuit 124. Then the error correction

circuit 124 corrects a bit error due to a noise or the like on a transmission line, and outputs error-corrected data through the output terminal 125 as the FAT data.

Please amend the paragraph on page 26, line 14, as follows:

In the preferred embodiments mentioned above, the examples of applying the present invention into the demodulation mode control using the STB 100 which receives the CATV broadcasting signal is described. However, the present invention is not limited to this. The present invention can be applied to the demodulation mode control over a digital modulated signal received through a predetermined transmission medium, whether the medium is a wired or a radio medium.